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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Xu, Frank Y.

App. No.: 10/789,319 GPAU: 1712

Filing Date: February 27, 2004 Examiner: Marc S. Zimmer

Dkt. No.: P121-63-03 Conf. No.: 9202

For: Composition for an Etching Mask Comprising a Silicon-
Containing Material

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT
Commissioner for Patents
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Sir:

The following information is submitted in compliance with Applicants' duty of disclosure and pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98. The undersigned brings the patents, publications, applications or other information identified in the attached:

☒ Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449

☐ Other:

to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed:

before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.

Applicants do not believe that any additional fees are due, but if the Commissioner believes additional fees are due, the



Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 502650.

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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as either First Class Mail or Express Mail, in an envelope addressed to the Commissioner for Patents.

Signed: Katrina Prati
Typed Name: Katrina Prati
Date: 4-4-05

Respectfully Submitted,

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PTO/SB/08A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 5

Complete if Known

APPLICATION NUMBER	10/789,319
FILING DATE	02/27/2004
FIRST NAMED INVENTOR	Xu et al.
Group Art Unit	1712
Examiner Name	Zimmer, Marc S.
Attorney Docket Number	P121-63-03

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office 3	Number ⁴	Kind Code ⁵ (if known)				
	B1	2002/0177319	A1	Chou	11/28/2002			
	B2	6,518,189	B1	Chou	2/11/2003			
	B3	6,828,244	B2	Chou	12/7/2004			
	B4	6,809,356	B2	Chou	10/26/2004			
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	B18	5,331,020		Brown et al.	7/19/1994			

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Signature

Date
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	B19	4,617,238		Crivello et al.	10/14/1986	
	B20	6,580,172	B2	Mancini et al.	6/17/2003	
	B21	10/948,511		Xu et al.	9/23/2004	
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	B30	5,849,209		Kindt-Larsen et al.	12/15/1998	
	B31	5,849,222		Jen et al.	12/15/1998	

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	B32	WO	02/07199		Chou	1/24/2002		
	B33	WO	2004/114016		Chou et al.	12/29/2004		
	B34	WO	99/05724		Chou et al.	2/4/1999		
	B35	WO	03/010289		Chou et al.	2/6/2003		
	B36	WO	03/079416		Chou	9/25/2003		
	B37	WO	03/099536		Chou et al.	12/4/2003		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

	B38	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technology B 14(16), pp. 4129-4133, 11/1/1996	
	B39	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001	
	B40	Colburn et al., Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers, Journal of Vacuum Science Technology. Vol b. 19(6), 11/1/2001	
	B41	Yu et al., Properties of Fluorinated Amorphous Diamond Like Carbon Films by PECVD, Applied Surface Science 219 (3-4); pp. 228-237, 12/1/2003	
	B42	Compon et al., Electroanalysis at Diamond-Like and Doped-Diamond Electrodes, Electroanalysis 15(17); pp. 1349-1363, 9/1/2003	
	B43	Mansano et al., Protective Carbon Layer for Chemical Corrosion of Stainless Steel, Diamond and Related Materials 12 (3-7); pp. 749-752, 3/1/2003	
	B44	Butter et al., Production and Wetting Properties of Fluorinated Diamond-Like Carbon Coatings, Thin Solid Films, 311(1-2); pp. 107-113, 12/31/1997	
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	B47	Yao et al., Structural, Mechanical and Hydrophobic Properties of Fluorine-Doped Diamond-Like Carbon Films Synthesized by Plasma Immersion Ion Implantation and Deposition (PIII-D), Applied Surface Science 230; pp. 172-178, 4/17/2004	
	B48	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001	
	B49	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000	
	B50	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers	

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	C5	Data Sheet for MAK (Methyl n-Amyl Ketone), www.sp-chem.com/fine_e, 1/1/2003	
	C6	Data Sheet for gamma-Glycidoxypolytrimethoxysilane, www.powerchemical.net/3100.htm, 12/5/2003	
	C7	Silicon or Silica, www.mii.org/Minerals/photosil, 3/31/2005	
	C8	Electronic Devices and Circuits, people.deas.harvard.edu/~jones/es154/lectures/lecture_2/materials/materials.html, 3/31/2005	
	C9	Data Sheet for Cymel 303ULF, www.cytec.com, 12:00:00 AM	
	C10	Data Sheet for Cycat 4040, www.cytec.com, 12:00:00 AM	
	C11	International Chemical Safety Card for p-Tolueneulfonic Acid, www.itcilo.it/english/actrav/telearn/osh/ic/104154.htm, 12/5/2003	
	C12	Data Sheet for p-Toluenesulfonic Acid, NIOSH Manual of Analytical Methods (NMAM), Fourth Edition, 12:00:00 AM	
	C13	Data Sheet for Dow Corning Z-6018, , 12:00:00 AM	
	C14	Data Sheet for Methyl Amyl Ketone, www.arb.ca.gov/db/solvents/solvent_pages/Ketones-HTML/methyl_amyl.htm, 3/31/2005	

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